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IC - A61K45/00 ; A61P29/00 ; A61P37/08 ; C12N15/09 ; C12Q1/68 ; G01N33/15 ;
G01N33/50 ; G01N33/53 ; G01N33/566
MC - B04-E01 B04-E05 B04-F01 B04-L04A B11-C08E1 B11-C08E5 B12-K04E B12-K04F
B14-C03 B14-N17C D05-A02B D05-H08 D05-H09 D05-H12D1 D05-H18B
- S03-E14A1 S03-E14H S03-E14H4
M1 - [01] M423 M430 M750 M782 M905 N102 P831 Q233 Q505; RA00NS-K RA00NS-Q
RA00NS-A RA00NS-D RA00NS-M
- [02] M423 M750 M905 N102 Q233; RA012P-K RA012P-A
- [03] M423 M430 M782 M905 N102 P831 Q233 Q505; RA00GC-K RA00GC-Q
RA00GC-D RA00GC-M
- [04] M423 M760 M905 N102 P831 Q233; RA00GT-K RA00GT-Z
M6 - [05] M905 P831 Q233 Q505 R515 R521 R614 R624 R627 R633 R639
PA - (SHIS) SHISEIDO CO LTD
PN - JP2002186485 A 20020702 DW200262 C12N15/09 017pp
PR - JP20000391265 20001222
XA - C2002-164056
XIC - A61K-045/00 ; A61P-029/00 ; A61P-037/08 ; C12N-015/09 ; C12Q-001/68 ;
G01N-033/15 ; G01N-033/50 ; G01N-033/53 ; G01N-033/566
XP - N2002-460250
AB - JP2002186485 NOVELTY - Measuring mRNA or cDNA of eotaxin, RANTES or
beta-defensin-2 by carrying out a polymerase chain reaction (PCR) by a
DNA polymerase having 5' to 3' exonuclease activity using a probe
having a forward primer, a reverse primer, a reporter and a quencher
and hybridizing with a template nucleic acid in the region placed
between the both primers, is new.
- DETAILED DESCRIPTION - A method for measuring mRNA or cDNA of eotaxin,
RANTES or beta-defensin-2 by carrying out a polymerase chain reaction
(PCR) by a DNA polymerase having 5' to 3' exonuclease activity using a
probe having a forward primer, a reverse primer, a reporter and a
quencher and hybridizing with a template nucleic acid in the region
placed between the both primers, is new. An oligonucleotide
hybridizing with the region of nucleotides 170-189 of a nucleic acid
encoding eotaxin is used as the one primer and an oligonucleotide
hybridizing with the region of nucleotides 301-320 of the nucleic acid
is used as the other primer. An oligonucleotide hybridizing with the
region of nucleotides 191-223 of the nucleic acid is used as the probe
for measuring mRNA or cDNA encoding eotaxin. Alternatively, an
oligonucleotide hybridizing with the region of nucleotides 50-71 of a
nucleic acid encoding RANTES is used as said one primer and an
oligonucleotide hybridizing with the region of nucleotides 274-300 of
said nucleic acid is used as the other primer and an oligonucleotide
hybridizing with the region of nucleotides 73-94 of the nucleic acid
is used as the probe for measuring mRNA or cDNA encoding RANTES for
measuring mRNA or cDNA encoding RANTES. In a third alternative, an
oligonucleotide hybridizing with the region of nucleotides 84-104 of a
nucleic acid encoding beta-defensin-2 is used as the one primer and an
oligonucleotide hybridizing with the region of nucleotides 276-295 of
the nucleic acid is used as the other primer and an oligonucleotide
hybridizing with the region of nucleotides 108-139 of said nucleic
acid is used as the probe for measuring mRNA or cDNA encoding
beta-defensin-2 for measuring mRNA or cDNA encoding beta-defensin-2.
- INDEPENDENT CLAIMS are also included for the following:

- (1) a kit for the novel measurement containing the novel oligonucleotides in which the primers and probe are oligonucleotides consisting of 15 to 40 nucleotides;
 - (2) evaluating or selecting an agent having inflammatory activity in which cells which can express eotaxin, RANTES or beta-defensin-2 are cultured in the presence of a sample to be tested and the amount of mRNA encoding eotaxin, RANTES or beta-defensin-2 is measured by the novel method or the kit of (2); and
 - (3) anti-inflammatory agent containing an agent evaluated by the novel method or the kit of (1) as the active component.
 - **ACTIVITY** - Antiinflammatory; Dermatological.
 - No biological data is given.
 - **MECHANISM OF ACTION** - None given.
 - **USE** - The method is useful for screening an anti-inflammatory agent or a treating agent for atopic dermatitis.
 - (6, 7, 8/11)
- CN - RA00NS-K RA00NS-Q RA00NS-A RA00NS-D RA00NS-M RA012P-K RA012P-A
RA00GC-K RA00GC-Q RA00GC-D RA00GC-M RA00GT-K RA00GT-Z**
- IW - MEASURE MRNA CDNA BETA REAGENT SCREEN ANTI INFLAMMATION AGENT KIT
MEASURE MRNA CDNA ANTI INFLAMMATION AGENT**
- IKW - MEASURE MRNA CDNA BETA REAGENT SCREEN ANTI INFLAMMATION AGENT KIT
MEASURE MRNA CDNA ANTI INFLAMMATION AGENT**
- NC - 001**
- OPD - 2000-12-22**
- ORD - 2002-07-02**
- PAW - (SHIS) SHISEIDO CO LTD**
- TI - Measuring mRNA or cDNA of eotaxin, RANTES or beta-defensin-2, a reagent for it and screening of an anti-inflammatory agent, a kit for the measurement of mRNA or cDNA, an anti-inflammatory agent**